

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF021519\  
 Data File : BF112583.D  
 Acq On : 15 Feb 2019 17:19  
 Operator : JU/SJ  
 Sample : K1484-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M-2-D

Quant Time: Feb 15 23:44:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

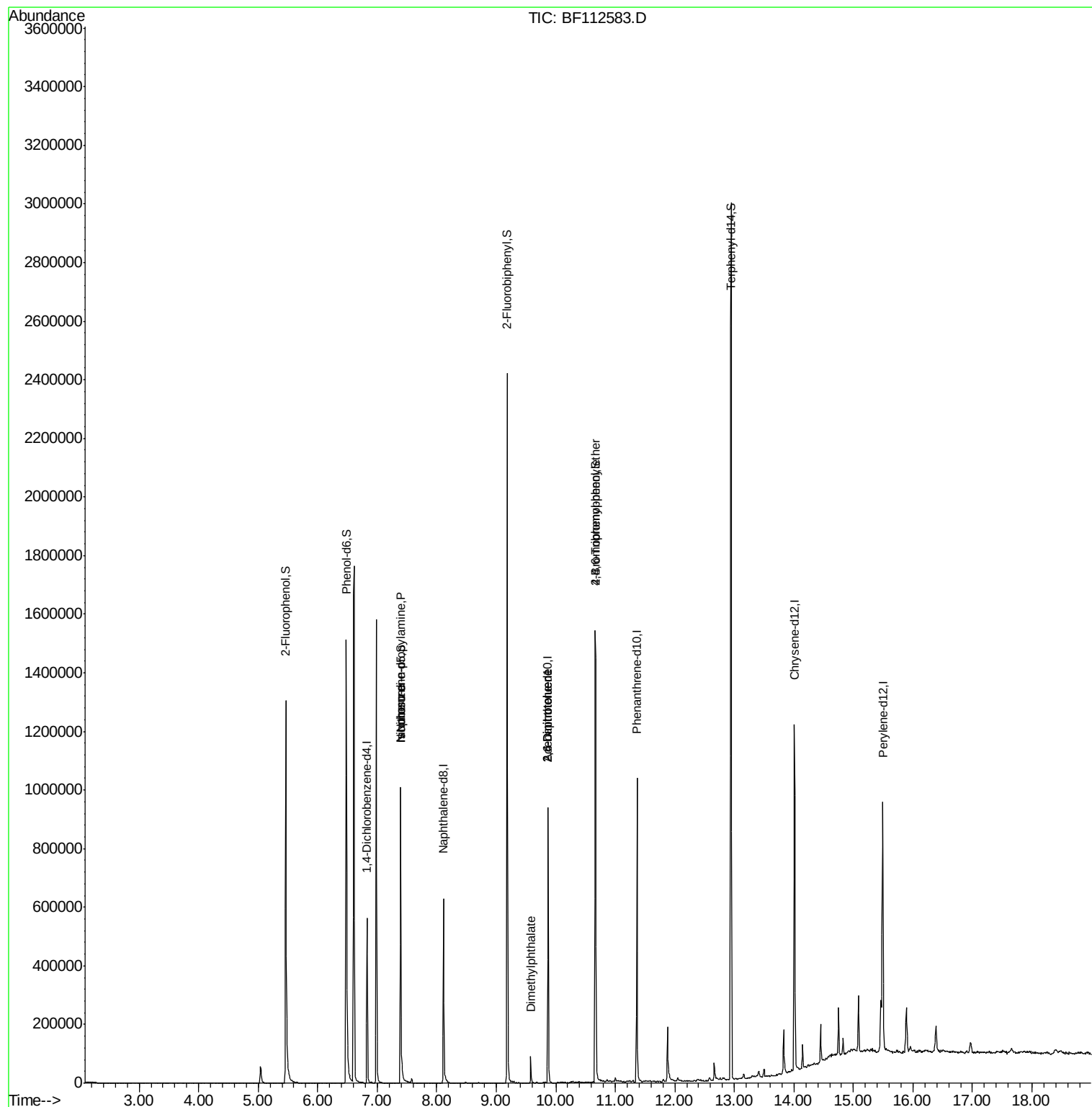
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 86335    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.12  | 136  | 342339   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.87  | 164  | 180404   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.36 | 188  | 397146   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.01 | 240  | 414081   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.49 | 264  | 397636   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 433640   | 106.69 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.48  | 99   | 550155   | 97.41  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 352003   | 59.25  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 210853   | 100.41 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 707771   | 55.49  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.95 | 244  | 993463   | 45.19  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 46859    | 12.032 | ng    | # 77     |
| 25) Isophorone                 | 7.39  | 82   | 352001   | 37.765 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.58  | 163  | 38101    | 2.718  | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.87  | 165  | 23361    | 7.442  | ng    | # 35     |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 23361    | 5.846  | ng    | # 32     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 12563    | 2.690  | ng    | # 1      |

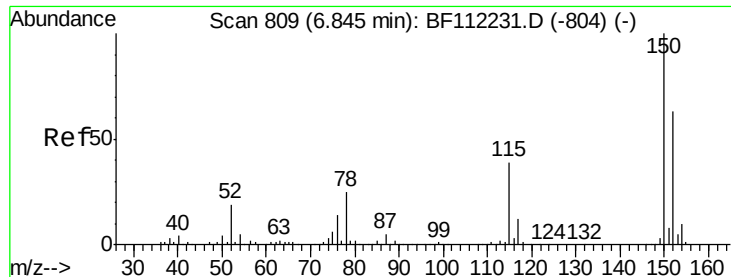
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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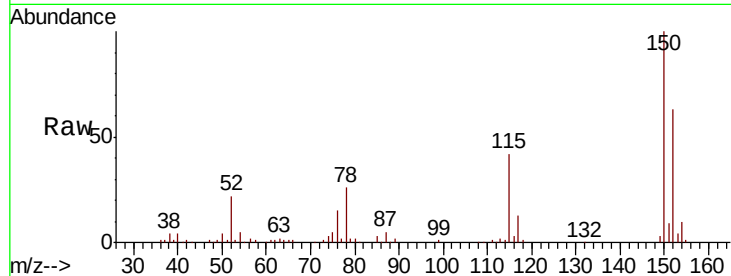


#1

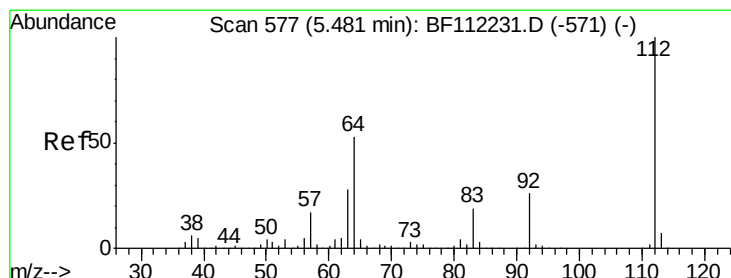
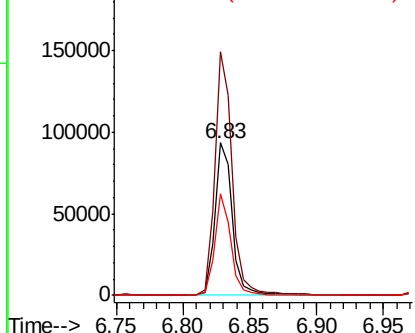
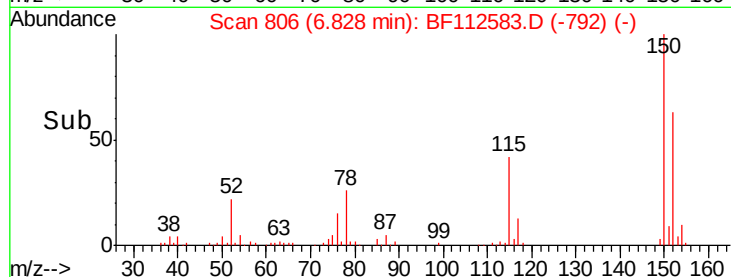
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. -0.02 min  
Lab File: BF112583.D  
Acq: 15 Feb 2019 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
M-2-D

Tgt Ion:152 Resp: 86335  
Ion Ratio Lower Upper  
152 100  
150 159.6 127.4 191.0  
115 66.3 45.5 68.3



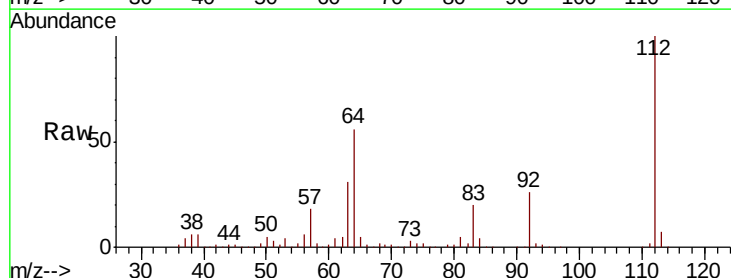
Abundance Ion 152.00 (151.70 to 152.70): E  
200000 Ion 150.00 (149.70 to 150.70): E  
150000 Ion 115.00 (114.70 to 115.70): E



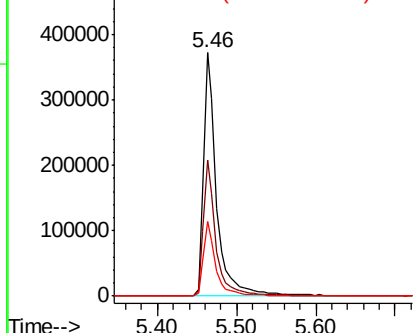
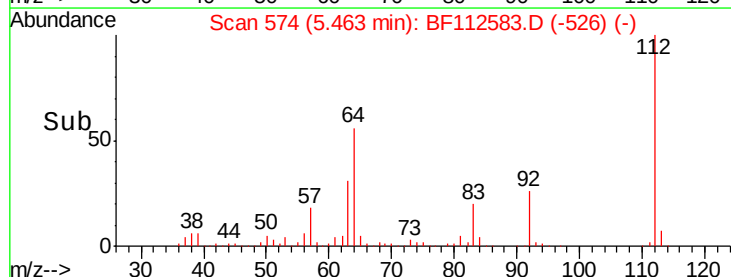
#5

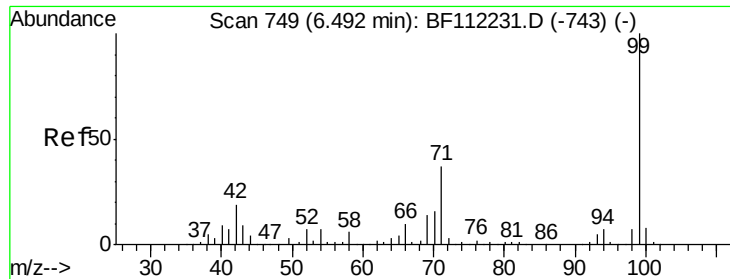
2-Fluorophenol  
Concen: 106.687 ng  
RT: 5.46 min Scan# 574  
Delta R.T. -0.02 min  
Lab File: BF112583.D  
Acq: 15 Feb 2019 17:19

Tgt Ion:112 Resp: 433640  
Ion Ratio Lower Upper  
112 100  
64 56.0 45.7 68.5  
63 30.6 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E  
500000 Ion 64.00 (63.70 to 64.70): BF1  
400000 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.407 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112583.D

Acq: 15 Feb 2019 17:19

Instrument :

BNA\_F

ClientSampleId :

M-2-D

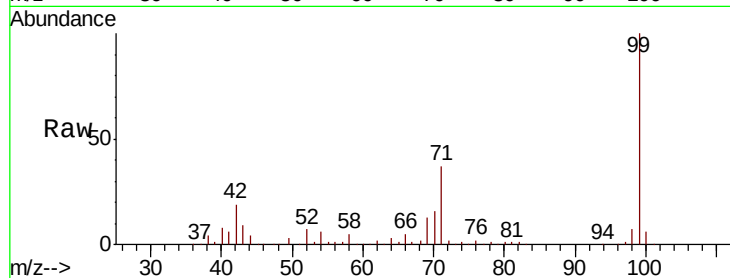
Tgt Ion: 99 Resp: 550155

Ion Ratio Lower Upper

99 100

42 18.5 15.1 22.7

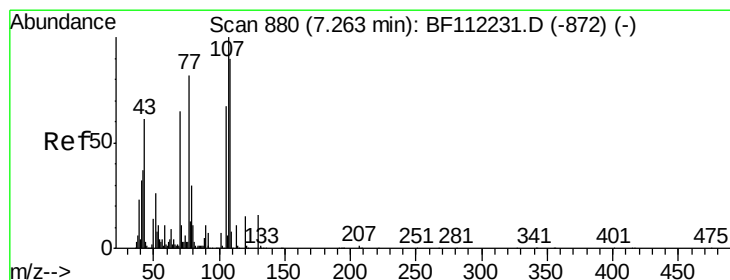
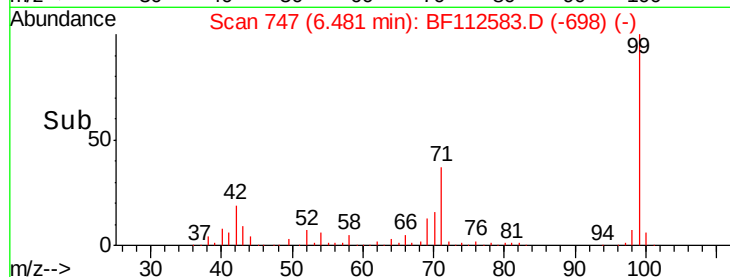
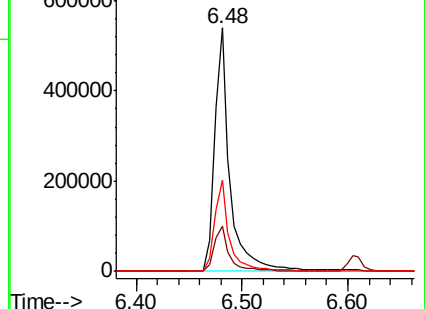
71 37.4 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.032 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112583.D

Acq: 15 Feb 2019 17:19

Tgt Ion: 70 Resp: 46859

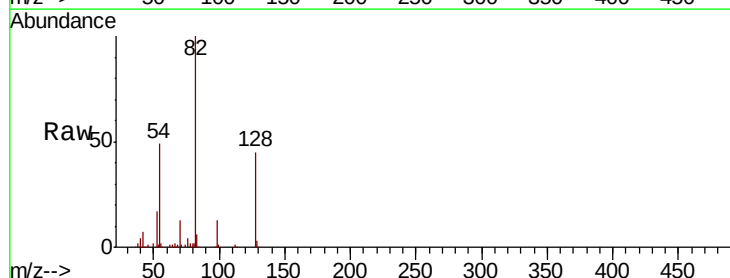
Ion Ratio Lower Upper

70 100

42 49.3 47.6 71.4

101 0.0 7.9 11.9#

130 1.8 18.4 27.6#

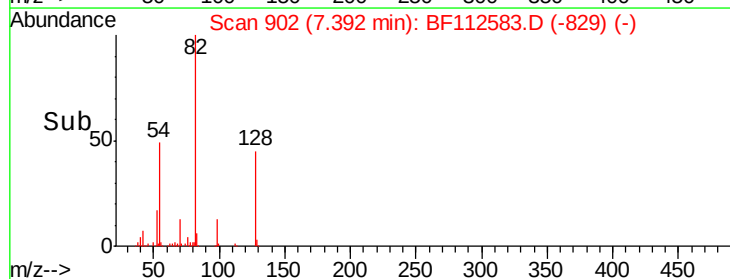
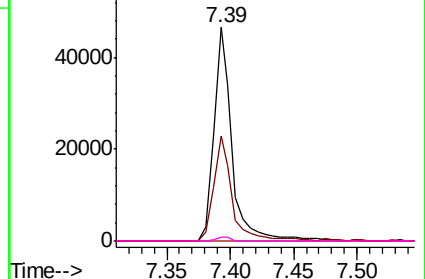


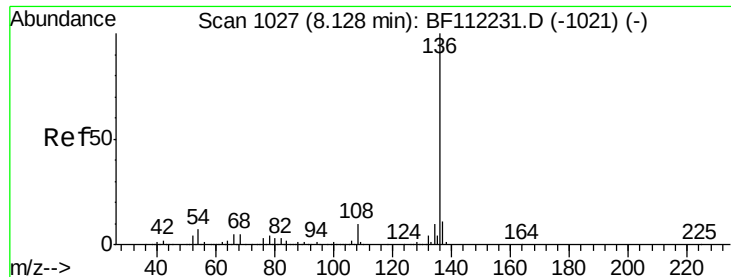
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

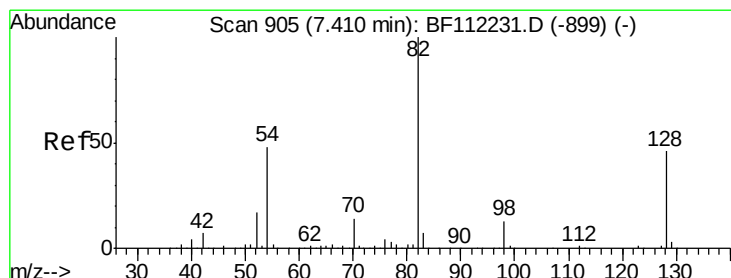
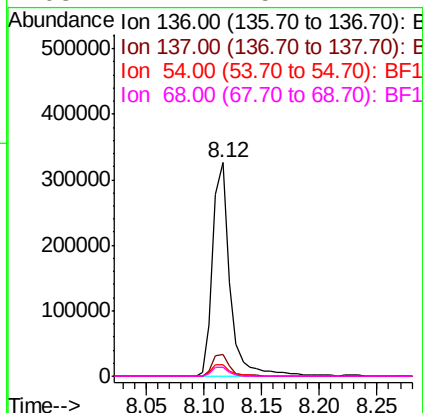
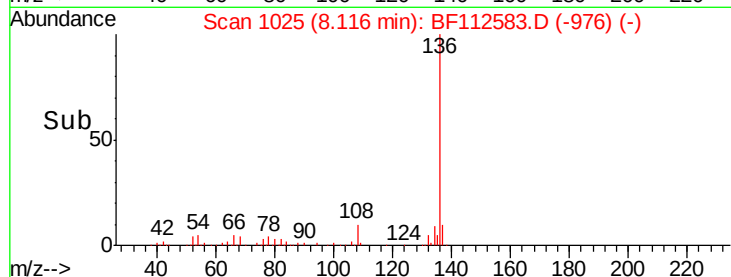
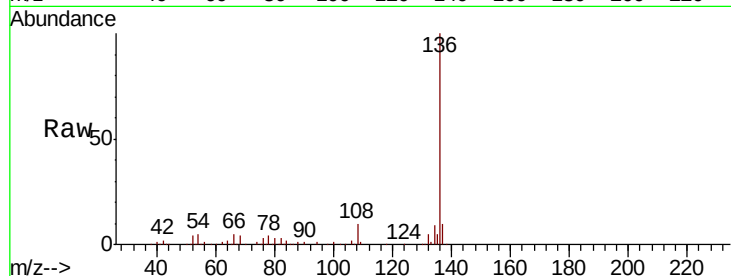




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF112583.D  
Acq: 15 Feb 2019 17:19

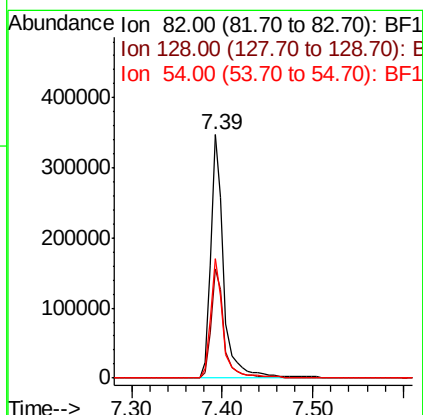
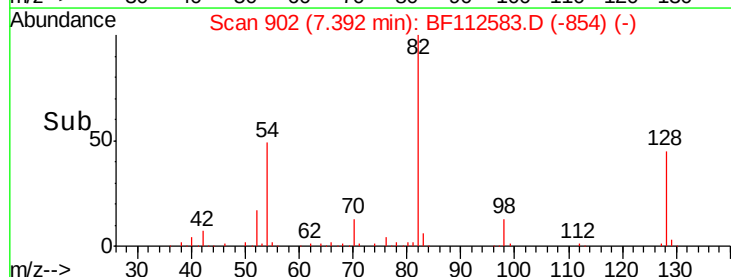
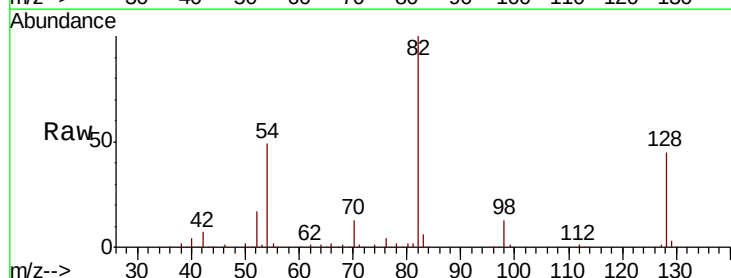
Instrument :  
BNA\_F  
ClientSampleId :  
M-2-D

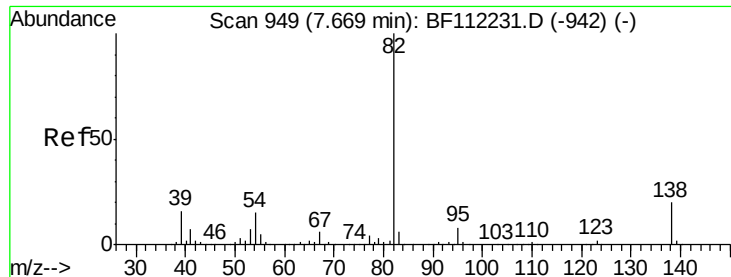
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 342339 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 9.1   | 13.7   |
| 54       | 5.3   | 5.9   | 8.9#   |
| 68       | 4.4   | 5.1   | 7.7#   |



#23  
Nitrobenzene-d5  
Concen: 59.246 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.02 min  
Lab File: BF112583.D  
Acq: 15 Feb 2019 17:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 352003 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.1  | 37.8  | 56.8   |
| 54       | 48.9  | 39.7  | 59.5   |





#25

Isophorone

Concen: 37.765 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112583.D

Acq: 15 Feb 2019 17:19

Instrument :

BNA\_F

ClientSampled :

M-2-D

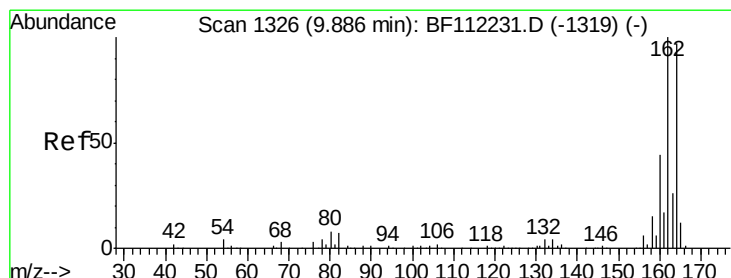
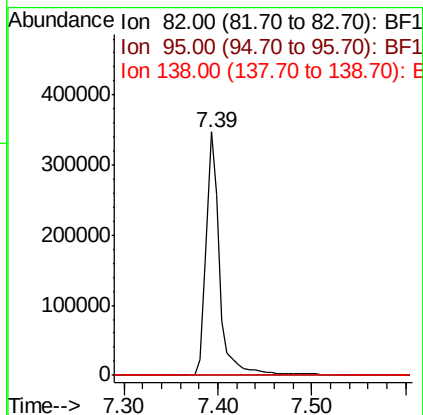
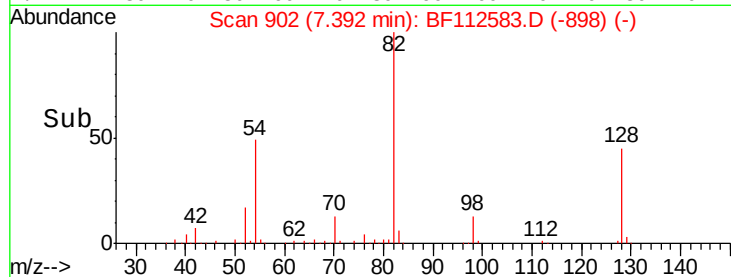
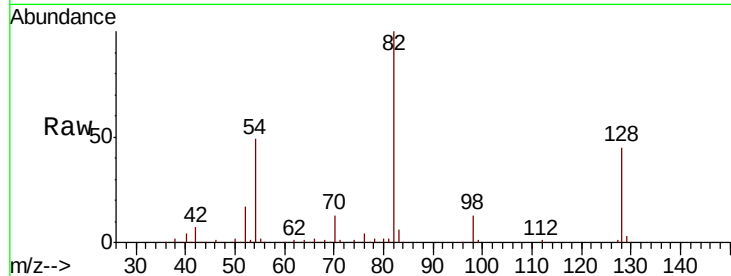
Tgt Ion: 82 Resp: 352001

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112583.D

Acq: 15 Feb 2019 17:19

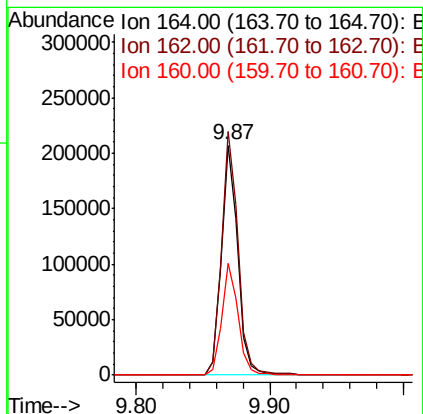
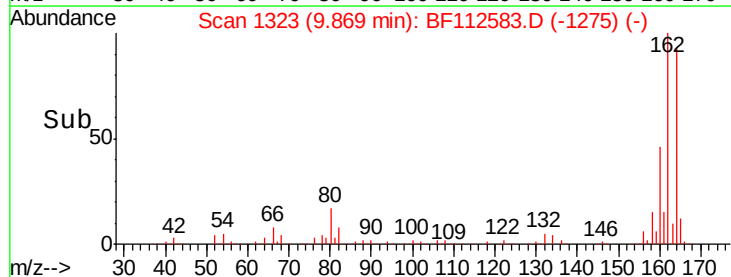
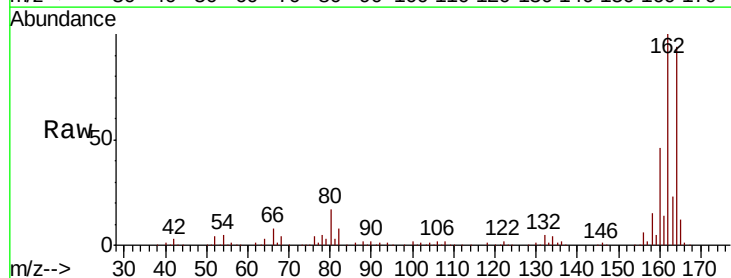
Tgt Ion: 164 Resp: 180404

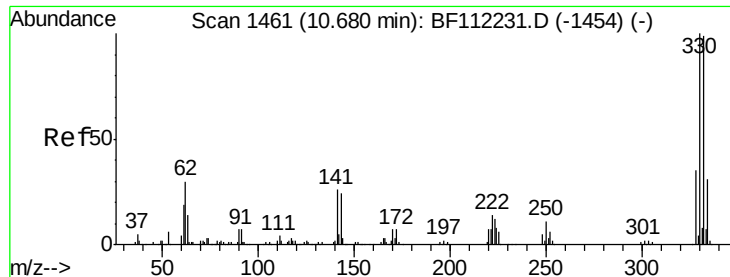
Ion Ratio Lower Upper

164 100

162 105.9 82.2 123.4

160 48.4 36.2 54.4

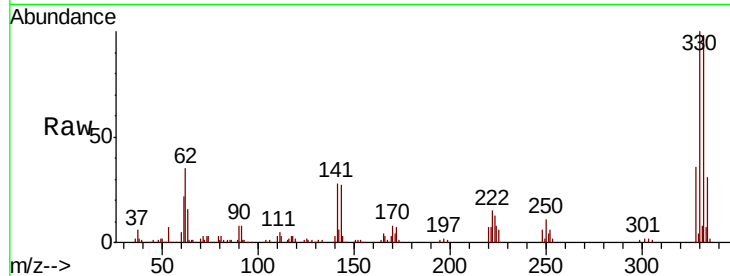




#42  
 2,4,6-Tribromophenol  
 Concen: 100.413 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF112583.D  
 Acq: 15 Feb 2019 17:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M-2-D

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 76.6  | 114.8 |
| 141     | 33.8  | 24.3  | 36.5  |

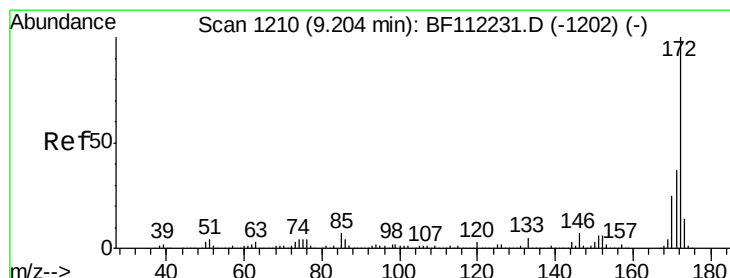
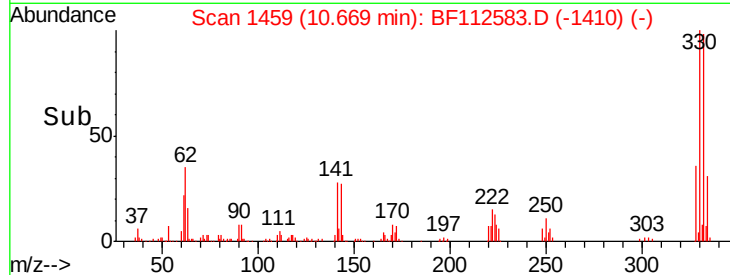
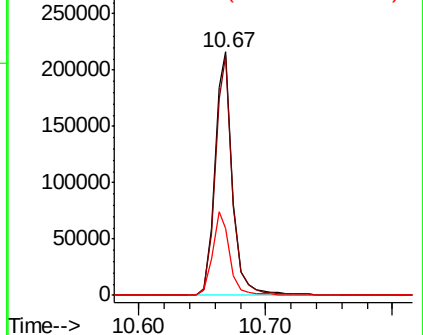


Abundance

Ion 329.80 (329.50 to 330.50): E

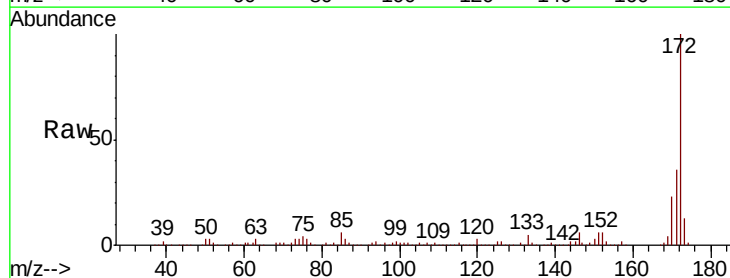
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 55.488 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.02 min  
 Lab File: BF112583.D  
 Acq: 15 Feb 2019 17:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 30.5  | 45.7  |
| 170     | 23.4  | 20.2  | 30.4  |

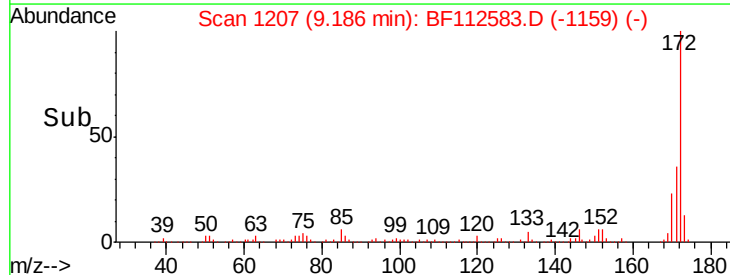
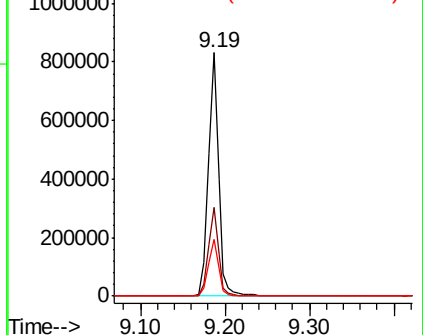


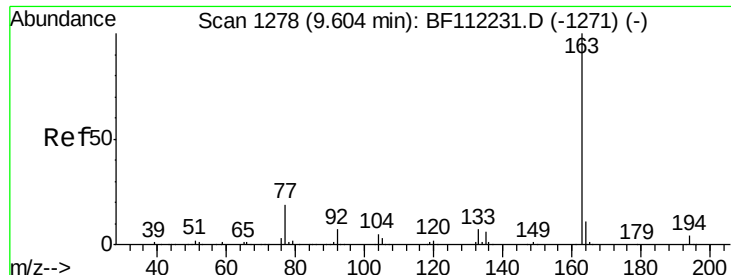
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

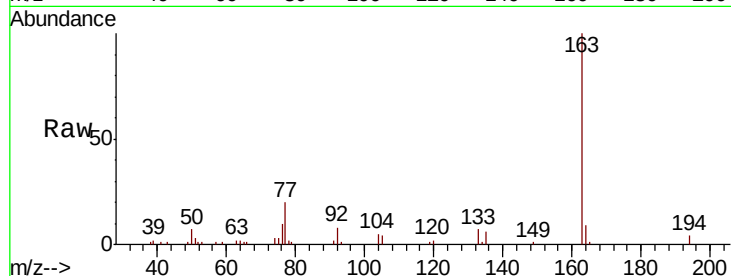




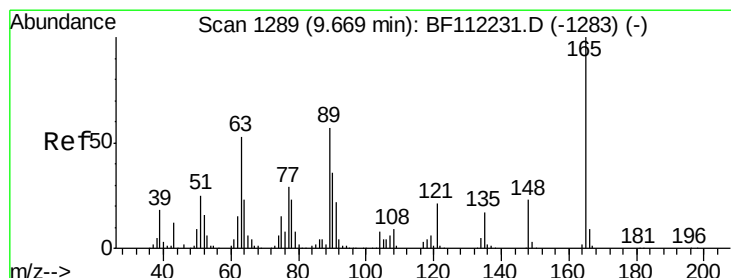
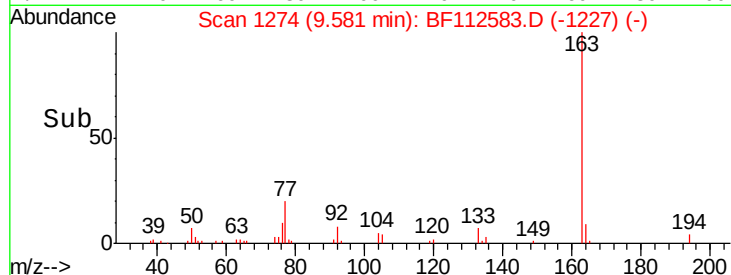
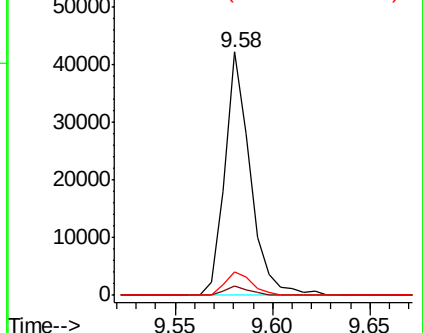
#50  
Dimethylphthalate  
Concen: 2.718 ng  
RT: 9.58 min Scan# 1274  
Delta R.T. -0.02 min  
Lab File: BF112583.D  
Acq: 15 Feb 2019 17:19

Instrument :  
BNA\_F  
ClientSampled :  
M-2-D

Tgt Ion:163 Resp: 38101  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 9.4 8.5 12.7

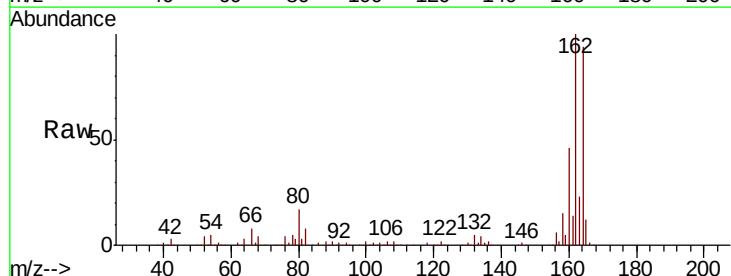


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

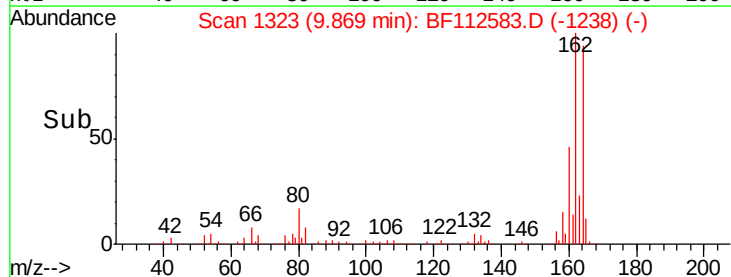
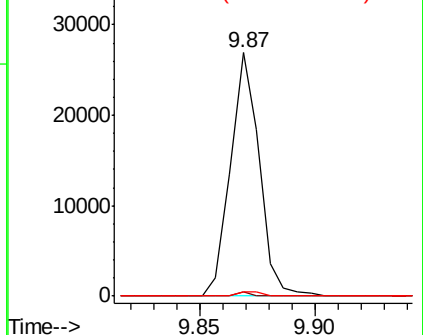


#51  
2,6-Dinitrotoluene  
Concen: 7.442 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. 0.20 min  
Lab File: BF112583.D  
Acq: 15 Feb 2019 17:19

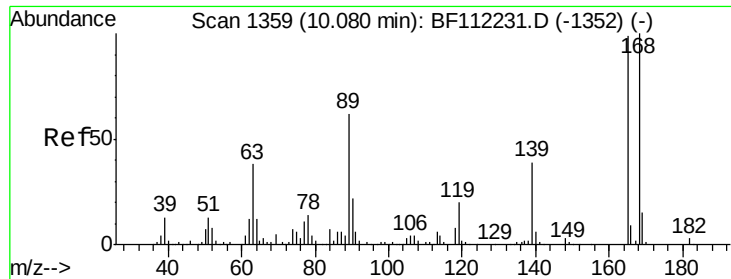
Tgt Ion:165 Resp: 23361  
Ion Ratio Lower Upper  
165 100  
63 1.7 33.8 50.8#  
89 1.9 36.9 55.3#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1



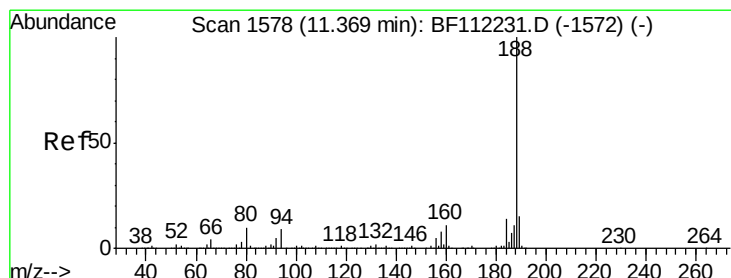
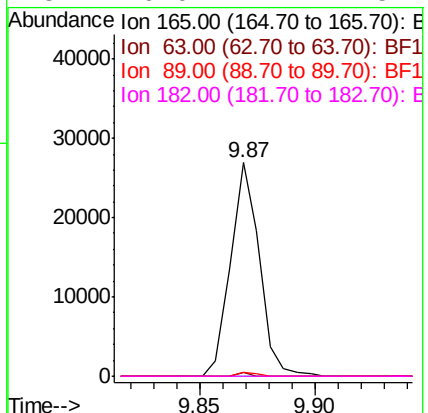
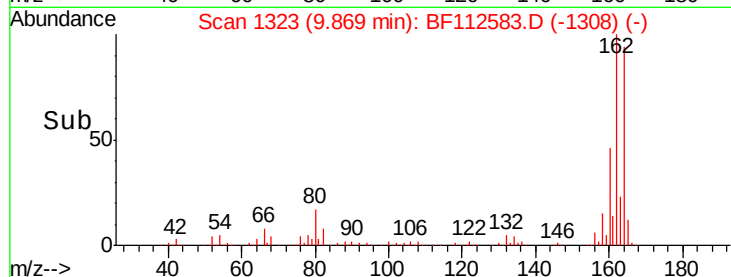
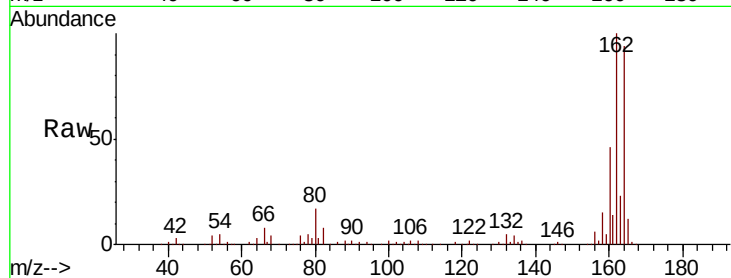




#57  
 2,4-Dinitrotoluene  
 Concen: 5.846 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.21 min  
 Lab File: BF112583.D  
 Acq: 15 Feb 2019 17:19

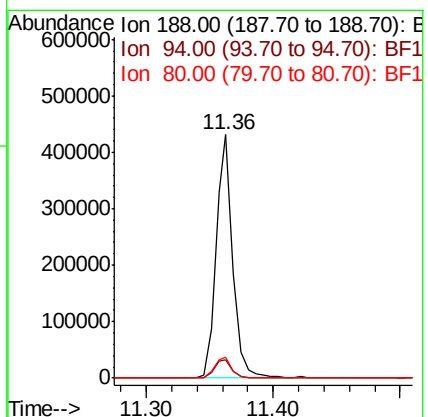
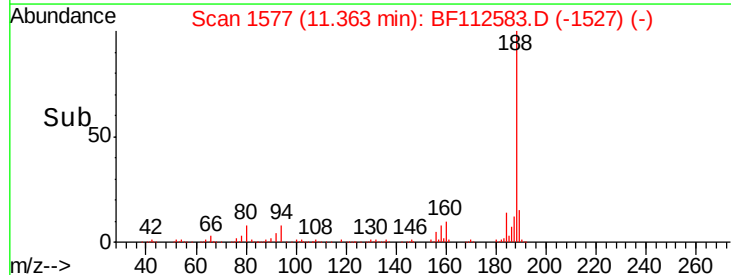
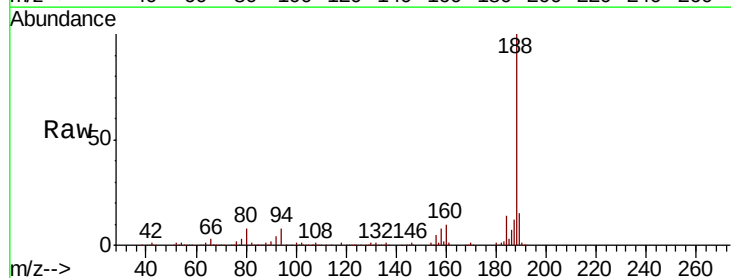
Instrument :  
 BNA\_F  
 ClientSampleId :  
 M-2-D

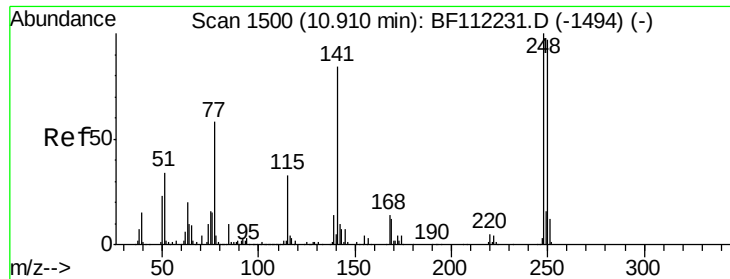
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 23361 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.7   | 27.9  | 41.9# |
| 89       | 1.9   | 47.9  | 71.9# |
| 182      | 0.0   | 2.2   | 3.4#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF112583.D  
 Acq: 15 Feb 2019 17:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 397146 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.6   | 8.2   | 12.2#  |
| 80       | 8.4   | 8.9   | 13.3#  |

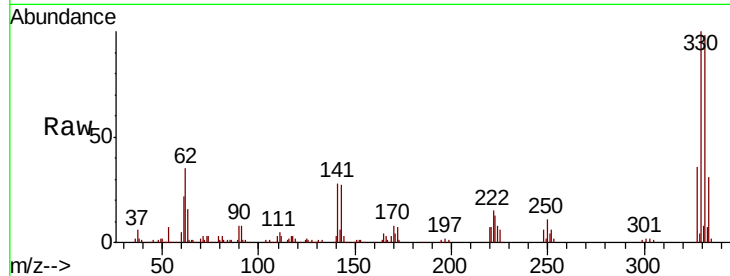




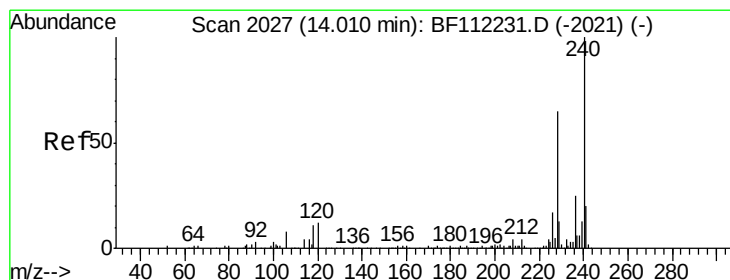
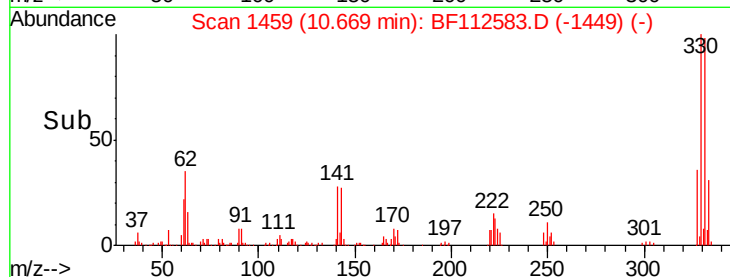
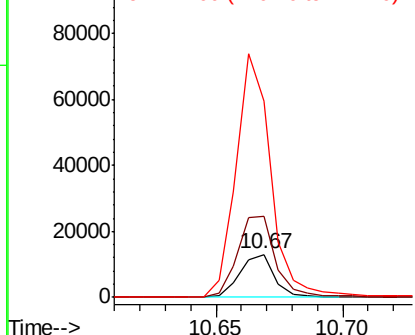
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.690 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.24 min  
 Lab File: BF112583.D  
 Acq: 15 Feb 2019 17:19

Instrument :  
 BNA\_F  
 ClientSampled :  
 M-2-D

Tgt Ion: 248 Resp: 12563  
 Ion Ratio Lower Upper  
 248 100  
 250 186.8 79.7 119.5#  
 141 453.8 60.3 90.5#

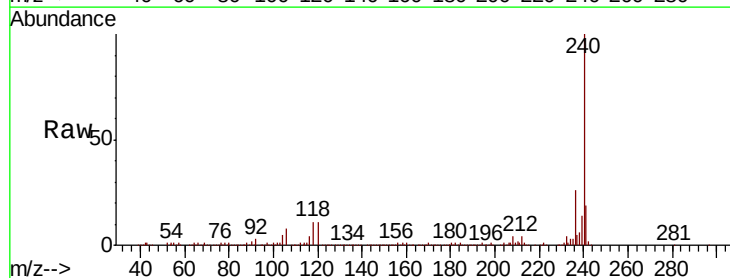


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

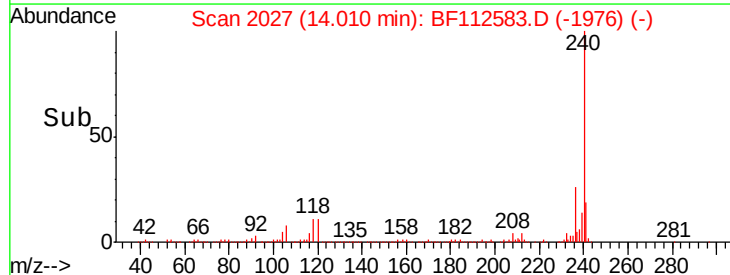
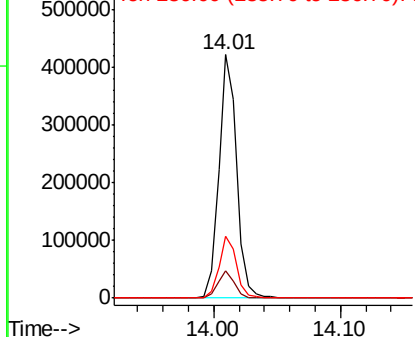


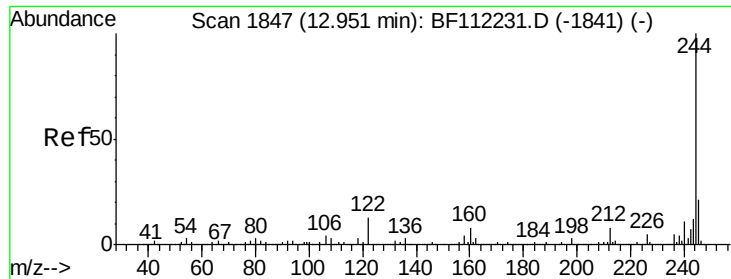
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.01 min Scan# 2027  
 Delta R.T. 0.00 min  
 Lab File: BF112583.D  
 Acq: 15 Feb 2019 17:19

Tgt Ion: 240 Resp: 414081  
 Ion Ratio Lower Upper  
 240 100  
 120 11.2 9.0 13.6  
 236 25.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

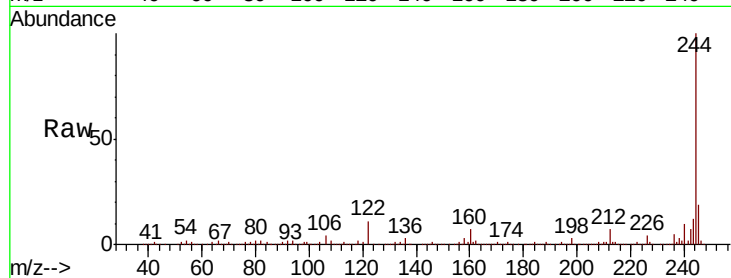




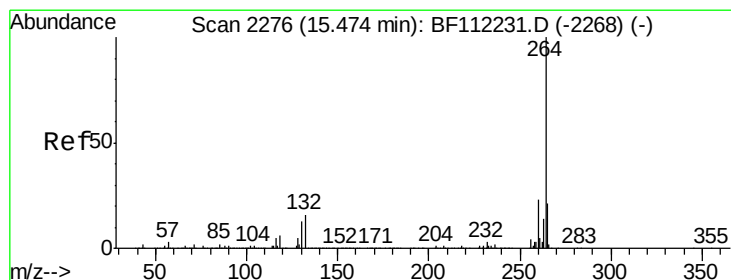
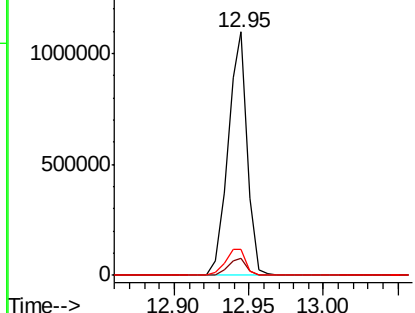
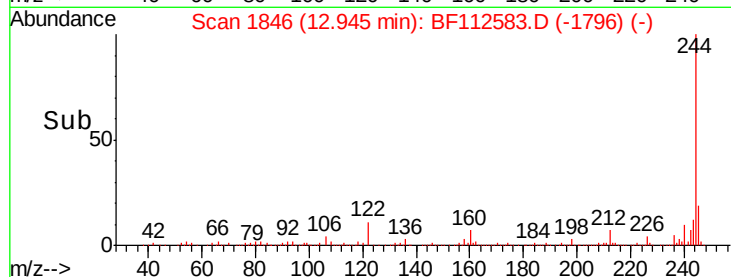
#79  
 Terphenyl-d14  
 Concen: 45.188 ng  
 RT: 12.95 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF112583.D  
 Acq: 15 Feb 2019 17:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M-2-D

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.9   | 8.9   |
| 122     | 10.6  | 9.8   | 14.6  |

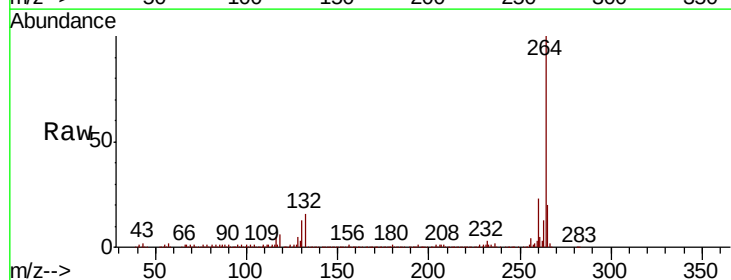


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. 0.02 min  
 Lab File: BF112583.D  
 Acq: 15 Feb 2019 17:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 18.2  | 27.2  |
| 265     | 20.5  | 17.0  | 25.4  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

